

# VALLEY IRRIGATION PIVOT MONITORING & CONTROL

**Valley Irrigation** is the global leader in mechanized irrigation technology and the world's leading manufacturer of mechanized irrigation equipment. Since 1954, Valmont has sold over 145,000 Valley center pivots, linear and corner machines worldwide, irrigating roughly 14 million acres in more than 100 countries.

Since 2004, M2M Communications has designed and manufactured the Tracker series of remote monitoring and control products for Valley. Innovative Tracker products are designed to measure various voltages and sensors in the irrigation pivot, and to directly control the operation of the pivot.

**The Tracker series is designed to save time and money that is currently spent driving to verify or change pivot status.**

"The Tracker alerts the grower of pivot shutdowns with an alarm message via phone or Internet," according to Valmont Product Manager Jake LaRue. "This saves lots of time driving to the fields to check pivots. It might be a way to get another year out of that older pivot, with a little insurance that the grower will know, very quickly, if there's a problem."

The Tracker series is available with a variety of wireless communication options to support worldwide deployments, including CDMA, GSM, Aeriis Microburst, and the Orbcomm Satellite Network.

Tracker products provide the basic "power switch" features required to implement a load shed event, plus add numerous other features to significantly increase the product's value to the owner/grower.

## **Example Added Value Information That Can Be Reported:**

- System running/stopped
- Direction of travel
- Speed
- Water on/off
- Water pressure
- Auxiliary inputs (Fertilizers/chemicals/etc.) on/off
- AC power on/off
- Safety fault on/off
- Current position in the circle
- Notification when a position is reached
- System voltage
- End gun on/off
- Hours of run time
- Hours wet



# VALLEY IRRIGATION PIVOT MONITORING & CONTROL continued...

## Example Added Value Remote Control Actions:

- Set system to run / stop
- Set direction of travel
- Adjust speed
- Set water on / off
- Control auxiliary outputs (Fertilizers / chemicals / etc on /off)
- Set AC power to on / off
- Set end gun to on / off

## M2M offers more for your money

M2M also designs and manages the Valley Tracker Network Operations Center (NOC) and web site including all customized data processing and graphical interfaces. A fully automated on-line billing system is used to provision all new field units, track call traffic, and manage monthly customer billing. The system is designed for OEM use and can be applied to any other customer application.

All Valley Trackers are fully compatible with the Lodestar Irrigation Load Control System. If an irrigation pivot is already equipped with a Tracker, then there is no equipment cost to add it to the load control program.

Both the Lodestar and most Tracker products can be used with all brands of irrigation equipment.



For more information contact us at:

**M2M Communications** • 208.947.9500  
sales@m2mcomm.com • [www.m2mcomm.com](http://www.m2mcomm.com)

